

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Construction of tank and providing pump set for de-watering in flood areas in ward no. 05 Jakkur, Byatarayanapura Sub Division

Modified Estimate

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in	Amount in	Remarks
From	To					B1	B2	Avg B			RS	RS	
Item No. 01							Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m and as per the directions of the Engineer-in-charge of the work.						
		Sump	Cum	1	8.45	3.55	3.55	3.55	2.95	88.49			
		For Drain											
		JNRC Circle											
0	11.85		Cum	1	11.85	1.30	1.30	1.30	1.15	17.72			
		Culvert											
		JNRC Circle											
			Cum	1	8.50	1.65	1.65	1.65	1.20	16.83			
		Rangoli Garden Gate											
			Cum	1	9.50	1.30	1.30	1.30	1.15	14.20			
		For Drain Desilt											
		Palanahalli Lake Front											
0	30		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
30	60		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
60	90		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
90	120		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
120	150		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
150	180		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
180	210		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
210	240		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
240	270		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
270	300		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
300	330		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
330	360		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
360	390		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
390	420		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
420	450		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
450	480		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
480	510		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
510	540		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
540	570		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
570	600		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
600	630		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
630	660		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
660	690		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
690	720		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
720	750		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
750	780		Cum	1	30.00	0.90	0.90	0.90	0.90	24.30			
780	800		Cum	1	20.00	0.90	0.90	0.90	0.90	16.20			
		telecom Layout											
		10th Cross Road											
		LHS											
0	30		Cum	1	30.00	0.60	0.60	0.60	0.60	10.80			
30	60		Cum	1	30.00	0.60	0.60	0.60	0.60	10.80			
60	90		Cum	1	30.00	0.60	0.60	0.60	0.60	10.80			
90	120		Cum	1	30.00	0.60	0.60	0.60	0.60	10.80			
120	150		Cum	1	30.00	0.60	0.60	0.60	0.60	10.80			
150	166.5		Cum	1	16.50	0.60	0.60	0.60	0.60	5.94			
		RHS											
0	30		Cum	1	30.00	0.60	0.60	0.60	0.60	10.80			
30	60		Cum	1	30.00	0.60	0.60	0.60	0.60	10.80			
60	90		Cum	1	30.00	0.60	0.60	0.60	0.60	10.80			
90	120		Cum	1	30.00	0.60	0.60	0.60	0.60	10.80			
120	150		Cum	1	30.00	0.60	0.60	0.60	0.60	10.80			

Modified Estimate

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in RS	Amount in RS	Remarks
From	To					B1	B2	Avg B					
150	166.5		Cum	1	16.50	0.60	0.60	0.60	0.60	5.94			
		Meechs Layout											
		14th Cross Road											
		LHS											
0	15		Cum	1	15.00	0.60	0.60	0.60	0.60	5.40			
15	30		Cum	1	15.00	0.60	0.60	0.60	0.60	5.40			
30	45		Cum	1	15.00	0.60	0.60	0.60	0.60	5.40			
45	62.7		Cum	1	17.70	0.60	0.60	0.60	0.60	6.37			
Total Executed Quantity										927.69	213.50	198062.00	
Tender Quantity										1098.10			
Item No. 02	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. and as per the directions of the Engineer-in-charge of the work.												
		Sump	Cum	1	8.45	3.55	3.55	3.55	0.30	9.00			
Total Executed Quantity										9.00	2812.00	25308.00	
Tender Quantity										9.00			
Item No. 03	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates. Specification and as per the direction of Engineer in charge of the work.												
		Sump	Cum	1	8.45	3.55	3.55	3.55	0.15	4.50			
		For Drain											
		JNRC Circle											
0	11.85		Cum	1	11.85	1.30	1.30	1.30	0.15	2.31			
		Culvert											
		JNRC Circle											
			Cum	1	8.50	1.65	1.65	1.65	0.15	2.10			
		Rangoli Garden Gate											
			Cum	1	9.50	1.30	1.30	1.30	0.15	1.85			
Total Executed Quantity										10.76	6105.00	65690.00	
Tender Quantity										86.70			
Item No. 04	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of Engineer in charge of the work.												
		Sump											
		Long Wall	Sqm	4	8.45				2.50	84.50			
		Short Wall	Sqm	4	2.60				2.50	26.00			
Total Executed Quantity										110.50			
Tender Quantity										73.84			
Quantity Upto 125%										92.30	1315.00	121375.00	
Quantity Above 125%										18.20	1313.63	23909.00	
Item No. 05	Providing Flush / Ruled/ Struck or weathered pointing Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per the direction of Engineer in charge of the work.												
		Sump											
		Long Wall	Sqm	2	8.45				2.40	40.56			
		Short Wall	Sqm	2	2.60				2.40	12.48			
Total Executed Quantity										53.04			
Tender Quantity										36.04			
Quantity Upto 125%										45.05	151.20	6812.00	
Quantity Above 125%										7.99	149.38	1194.00	
Item No. 06	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality conforming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA). and as per the direction of Engineer in charge of the work.												
		Sump											
		Bottom Concrete	Cum	1	7.65	2.60	2.60	2.60	0.15	2.98			

Modified Estimate

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in RS	Amount in RS	Remarks
From	To					B1	B2	Avg B					
		Slab Concrete	Cum	1	8.45	3.40	3.40	3.40	0.20	5.75			
		Total Executed Quantity								8.73			
		Tender Quantity								6.21			
		Quantity Upto 125%								7.76	7885.00	61188.00	
		Quantity Above 125%								0.97	7880.44	7645.00	
Item no 07		Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) and as per the direction of Engineer in charge of the work.											
		Bottom Concrete											
		JNRC Circle											
0	11.85		Cum	1	11.85	1.15	1.15	1.15	0.15	2.04			
		Side Wall											
		JNRC Circle											
0	11.85		Cum	2	11.85	0.15	0.15	0.15	0.85	3.02			
		Sub Total								5.06			
		Culvert											
		JNRC Circle											
			Cum	1	8.50	1.50	1.50	1.50	0.15	1.91			
		Rangoli Garden Gate											
			Cum	1	9.50	1.15	1.15	1.15	0.15	1.64			
		Side Wall											
		JNRC Circle											
			Cum	2	8.50	0.30	0.30	0.30	0.90	4.59			
		Rangoli Garden Gate											
			Cum	2	9.50	0.15	0.15	0.15	0.85	2.42			
		Sub Total								10.56			
		Total Executed Quantity								15.62			
		Tender Quantity								9.98			
		Quantity Upto 125%								12.48	6882.00	85888.00	
		Quantity Above 125%								3.14	6882.70	21612.00	
Item no.08		Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members wherever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and as per the direction of Engineer in charge of the work.											
			kg		8.73				115.00	838.88			
		Total Executed Quantity								838.88			
		Tender Quantity								745.47			
		Quantity Upto 125%								838.88	105.00	88083.00	
Item no.09		Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and as per the direction of Engineer in charge of the work.											
		55kg/Cum	Tonne		15.62				0.06	0.82			
		Total Executed Quantity								0.82			
		Tender Quantity								0.60			
		Quantity Upto 125%								0.75	101234.00	75926.00	
		Quantity Above 125%								0.07	96719.60	6771.00	
Item no.10		Providing and Fixing pre cast covering Slab 100mm thick made out of CC, Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete and as per the direction of Engineer in charge of the work.											
		JNRC Circle											
0	11.85		Sqm	1	11.85	1.20	1.20	1.20		14.22			
		Missing Slab	Sqm	21	0.90	0.60	0.60	0.60		11.34			
		Total Executed Quantity								25.56	2068.00	52859.00	
		Tender Quantity								36.00			
Item no.11		Providing and Fixing pre cast covering Slab 230mm thick made out of CC, Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete and as per the direction of Engineer in charge of the work.											
		JNRC Circle											
			Sqm	1	8.50	1.50				12.75			

Modified Estimate													
Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
From	To					B1	B2	Avg B					
			Sqm	1	9.50	1.15				10.93			
		Total Executed Quantity								23.68	5029.00	119087.00	
		Tender Quantity								30.00			
Item no.12		Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) and as per the direction of Engineer in charge of the work.											
		Qty vide From item no	Cum		927.69					927.69			
		Total Executed Quantity								927.69	81.00	75143.00	
		Tender Quantity								1098.10			
Item no.13		Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km and as per the direction of Engineer in charge of the work.											
			tkm		927.69			1.28		1187.44			
		Total Executed Quantity								1187.44	115.00	136556.00	
		Tender Quantity								1098.00			
Item no.14		Providing Lubi make 10 HP 3 Phase dewatering submersible pump with outlet 4"											
		10hp	no	1						1.00			
		Total Executed Quantity								1.00	106365.00	106365.00	
		Tender Quantity								1.00			
Item no.15		Providing 160 mm PVC pipe 6 kg/sqcm											
		pvc pipe	mtr	1	15.00					15.00			
		Total Executed Quantity								15.00	898.00	13470.00	
		Tender Quantity								15.00			
Item no.16		Providing and fixing 160 mm PVC elbow											
			no	5						5.00			
		Total Executed Quantity								5.00	524.00	2620.00	
		Tender Quantity								5.00			
Item no.17		Providing and fixing 160 mm PVC collar											
			no	3						3.00			
		Total Executed Quantity								3.00	369.00	1107.00	
		Tender Quantity								3.00			
Item no.18		Providing and fixing 160 mm PVC ball wall											
			no	2						2.00			
		Total Executed Quantity								2.00	4343.00	8686.00	
		Tender Quantity								2.00			
Item no.19		Providing and fixing MS gate of size 0.6x0.6 mtr											
			no	1						1.00			
		Total Executed Quantity								1.00	8986.00	8986.00	
		Tender Quantity								1.00			
Item no.20		Providing MS cover with frame of size 0.9x0.9 mtr											
			no	1						1.00			
		Total Executed Quantity								1.00	7988.00	7988.00	
		Tender Quantity								1.00			
Item no.21		Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC extruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm											
			Rmtr	1	18.00					18.00			
		Total Executed Quantity								18.00	149.00	2682.00	
		Tender Quantity								20.00			
Item no.22		Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm.											
			Rmtr	1	18.00					18.00			
		Total Executed Quantity								18.00	11.00	198.00	
		Tender Quantity								20.00			

Modified Estimate													
Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Rate in	Amount in	Remarks
From	To					(m)	B1	B2					
Item no.23		Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor conforming to IS-8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm ²											
			Rmtr	1	18.00					18.00			
Total Executed Quantity										18.00	241.00	4338.00	
Tender Quantity										20.00			
Item no.24		Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP											
			Each	1						1.00			
Total Executed Quantity										1.00	8627.00	8627.00	
Tender Quantity										1.00			
Item no.25		Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size c/a with necessary cable entry pipe with gland and box should be finished with 7 tanks treatment with powder coated paint and finally finished with approved colour etc., complete.											
			Sqcm	1	1100.00	20.00	20.00	20.00		22000.00			
Total Executed Quantity										22000.00	0.37	8140.00	
Tender Quantity										22000.00			
Item no.26		Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work.											
			no	1						1.00			
Total Executed Quantity										1.00	1388.00	1388.00	
Tender Quantity										1.00			
Item no.27		Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead											
telecom Layout													
10th Cross Road													
0	7.6		Sqm	1	7.60	5.55	5.70	5.63		42.79			
Mcechs Layout													
14th Cross Road													
0	15		Sqm	1	15.00	7.60	7.70	7.65		114.75			
15	30		Sqm	1	15.00	7.70	7.70	7.70		115.50			
30	45		Sqm	1	15.00	7.70	7.60	7.65		114.75			
45	62.7		Sqm	1	17.70	7.60	7.60	7.60		134.52			
Total Executed Quantity										522.31			
Tender Quantity										450.00			
Quantity Upto 125%										522.31	4.30	2246.00	
Item no.28		Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work											
telecom Layout													
10th Cross Road													
0	7.6		Cum	1	7.60	5.55	5.70	5.63	0.10	4.28			
Mcechs Layout													
14th Cross Road													
0	15		Cum	1	15.00	7.60	7.70	7.65	0.10	11.48			
15	30		Cum	1	15.00	7.70	7.70	7.70	0.10	11.55			
30	45		Cum	1	15.00	7.70	7.60	7.65	0.10	11.48			
45	62.7		Cum	1	17.70	7.60	7.60	7.60	0.10	13.45			
Total Executed Quantity										52.24			
Tender Quantity										45.00			
Quantity Upto 125%										52.24	120.70	6306.00	
Item no.29		Construction of Granular Sub-Base of required grading as per design spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per clause 401 B. Place Mix Method (v) For Grading -V Material											
telecom Layout													
10th Cross Road													
0	7.6		Cum	1	7.60	5.55	5.70	5.63	0.15	6.42			

Modified Estimate

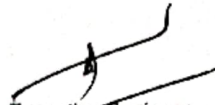
Modified Estimate													
Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Rate in	Amount in	Remarks
From	To					(m)	B1	B2					
		Mcechs Layout											
		14th Cross Road											
0	15		Cum	1	15.00	7.60	7.70	7.65	0.15	17.21			
15	30		Cum	1	15.00	7.70	7.70	7.70	0.15	17.33			
30	45		Cum	1	15.00	7.70	7.60	7.65	0.15	17.21			
45	62.7		Cum	1	17.70	7.60	7.60	7.60	0.15	20.18			
		Total Executed Quantity								78.35			
		Tender Quantity								67.50			
		Quantity Upto 125%								78.35	2457.00	192506.00	
Item no.30	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density												
		telecom Layout											
		10th Cross Road											
0	7.6		Cum	1	7.60	5.55	5.70	5.63	0.25	10.70			
		Mcechs Layout											
		14th Cross Road											
0	15		Cum	1	15.00	7.60	7.70	7.65	0.25	28.69			
15	30		Cum	1	15.00	7.70	7.70	7.70	0.25	28.88			
30	45		Cum	1	15.00	7.70	7.60	7.65	0.25	28.69			
45	62.7		Cum	1	17.70	7.60	7.60	7.60	0.25	33.63			
		Total Executed Quantity								130.59			
		Tender Quantity								112.50			
		Quantity Upto 125%								130.59	2633.00	343844.00	
Item no.31	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.												
		telecom Layout											
		10th Cross Road											
0	7.6		Sqm	1	7.60	5.55	5.70	5.63		42.79			
		Mcechs Layout											
		14th Cross Road											
0	15		Sqm	1	15.00	7.60	7.70	7.65		114.75			
15	30		Sqm	1	15.00	7.70	7.70	7.70		115.50			
30	45		Sqm	1	15.00	7.70	7.60	7.65		114.75			
45	62.7		Sqm	1	17.70	7.60	7.60	7.60		134.52			
		Total Executed Quantity								522.31			
		Tender Quantity								450.00			
		Quantity Upto 125%								522.31	48.30	25228.00	
Item no.32	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.												
		telecom Layout											
		10th Cross Road											
0	30		Sqm	1	30.00	5.55	5.70	5.63		168.90			
30	60		Sqm	1	30.00	5.70	5.80	5.75		172.50			
60	90		Sqm	1	30.00	5.80	5.50	5.65		169.50			
90	120		Sqm	1	30.00	5.50	5.65	5.58		167.40			
120	150		Sqm	1	30.00	5.65	5.45	5.55		166.50			
150	166.5		Sqm	1	16.50	5.45	5.85	5.65		93.23			
		Mcechs Layout											
		14th Cross Road											
0	15		Sqm	1	15.00	7.60	7.70	7.65		114.75			
15	30		Sqm	1	15.00	7.70	7.70	7.70		115.50			
30	45		Sqm	1	15.00	7.70	7.60	7.65		114.75			
45	62.7		Sqm	1	17.70	7.60	7.60	7.60		134.52			
		Total Executed Quantity								1417.55			
		Tender Quantity								1350.00			
		Quantity Upto 125%								1417.55	13.00	18429.00	
Item no.33	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects												
		telecom Layout											
		10th Cross Road											
0	7.6		Cum	1	7.60	5.55	5.70	5.63	0.05	2.14			

Modified Estimate													
Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
From	To					B1	B2	Avg B					
		Mcechs Layout											
		14th Cross Road											
0	15		Cum	1	15.00	7.60	7.70	7.65	0.05	5.74			
15	30		Cum	1	15.00	7.70	7.70	7.70	0.05	5.78			
30	45		Cum	1	15.00	7.70	7.60	7.65	0.05	5.74			
45	62.7		Cum	1	17.70	7.60	7.60	7.60	0.05	6.73			
		Total Executed Quantity								26.13			
		Tender Quantity								22.50			
		Quantity Upto 125%								26.13	10875.00	284164.00	
Item no.34	Providing and laying Bituminous Concrete with not less than 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 4.78% Bitumen and waste plastic 8% of Bitumen of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects and as per the direction of Engineer in charge of the work.												
		telecom Layout											
		10th Cross Road											
0	30		Cum	1	30.00	5.55	5.70	5.63	0.04	6.76			
30	60		Cum	1	30.00	5.70	5.80	5.75	0.04	6.90			
60	90		Cum	1	30.00	5.80	5.50	5.65	0.04	6.78			
90	120		Cum	1	30.00	5.50	5.65	5.58	0.04	6.70			
120	150		Cum	1	30.00	5.65	5.45	5.55	0.04	6.66			
150	166.5		Cum	1	16.50	5.45	5.85	5.65	0.04	3.73			
		Mcechs Layout											
		14th Cross Road											
0	15		Cum	1	15.00	7.60	7.70	7.65	0.04	4.59			
15	30		Cum	1	15.00	7.70	7.70	7.70	0.04	4.62			
30	45		Cum	1	15.00	7.70	7.60	7.65	0.04	4.59			
45	62.7		Cum	1	17.70	7.60	7.60	7.60	0.04	5.38			
		Total Executed Quantity								56.71			
		Tender Quantity								36.00			
		Quantity Upto 125%								45.00	11740.00	528300.00	
		Quantity Above 125%								11.71	11064.78	129569.00	
Item no.35	Providing and fixing Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.												
	Item is not operated												
E1	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) and as per the direction of Engineer in charge of the work.												
		Palanahalli Lake Front											
0	30		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
30	60		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
60	90		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
90	120		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
120	150		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
150	180		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
180	210		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
210	240		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
240	270		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
270	300		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
300	330		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
330	360		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
360	390		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
390	420		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
420	450		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
450	480		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
480	510		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
510	540		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
540	570		Cum	1	30.00	0.90	0.90	0.90	0.15	4.05			
570	572		Cum	1	2.00	0.90	0.90	0.90	0.15	0.27			
		Total Executed Quantity								77.22	6554.95	506174.00	

Modified Estimate													
Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Rate in	Amount in	Remarks
From	To				(m)	B1	B2	Avg B	(m)		RS.	RS.	
Sub Total												3384469.00	
Add 18% Gst												609205.00	
Total Amount												3993674.00	


 Assistant Engineer
 BBMP
 ವಿ.ವಿ.ಎಂ.ಸಿ. ಪ್ರಾ.ಪ್ರ.ಸಂಸ್ಥೆಯ ಸಹ ವಿಭಾಗ


 Assistant Executive Engineer
 BBMP
 ಪ್ರಾ.ಪ್ರ.ಸಂಸ್ಥೆಯ ಸಹ ವಿಭಾಗ
 ವಿ.ವಿ.ಎಂ.ಸಿ. ಪ್ರಾ.ಪ್ರ.ಸಂಸ್ಥೆ-24


 Executive Engineer
 BBMP

Technical Sanction
 Accorded For **RS 3993674.00**
 Head of A/C **P 37-26**
 CER NO : **66** Dt: **14.03.2023**

